



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



April 26, 2002
Letter of Deficiency
DAM #173.02

Mr. Tom Kruzshak
New Hampton Village Precinct
P.O. Box 506
New Hampton, NH 03256

RE: Gordon Hill Reservoir, New Hampton

Dear Mr. Kruzshak:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 6, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. There is woody vegetation/small trees/shrubs on the left and right ends of the upstream concrete face wall and in the riprap-stilling basin;
2. The dam cannot pass the 100-year storm with 1' of freeboard in its current condition, as logs are placed to within 8 inches of the top of the dam;
3. There is a minor 3' long vertical crack on the inside left concrete wall located in the center of the channel.
4. There is a minor 3' long vertical crack on the inside right concrete wall located in the center of the channel. On the lower portion of the crack is a yellow/brown discoloring;
5. There is a crack on the top of the left concrete wall about 40 feet from the stoplog bay. This crack extends along the entire upstream face of the concrete wall; and
6. There is no operation and maintenance plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

August 1, 2002:

1. Remove woody vegetation/small trees/shrubs from the following areas:
 - a. Within 20 feet of both the left and right ends of the upstream concrete face wall;
 - b. Within a 15 foot radius of the riprap stilling basin;
2. Permanently remove stoplogs so that at least 2' 10" exists between the top of the dam logs and the top of the concrete;

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3. Update and test the EAP;
4. Prepare and submit to the DES a written operations and maintenance procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines;


In addition please monitor the following:

5. Minor 3' long vertical crack on the inside left concrete wall located in the center of the channel;
6. Minor 3' long vertical crack on the inside right concrete wall located in the center of the channel. On the lower portion of the crack is a yellow/brown discoloring; and
7. A crack on the top of the left concrete wall about 40 feet from the stoplog bay. This crack extends along the entire upstream face of the concrete wall.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

Amy C. Clark
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13
cc: Gretchen Rule

Town of New Hampton
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ACC/was/h:/safety/wendy/lod/173-02lod.doc